

**United States of America
FEDERAL COMMUNICATIONS COMMISSION
EXPERIMENTAL
RADIO STATION CONSTRUCTION PERMIT
AND LICENSE**

EXPERIMENTAL

(Nature of Service)

XT MO

(Class of Station)

WH2XDQ

(Call Sign)

0199-EX-PL-2014

(File Number)

NAME Aurora Flight Sciences

Subject to the provisions of the Communications Act of 1934, subsequent acts, and treaties, and all regulations heretofore or hereafter made by this Commission, and further subject to the conditions and requirements set forth in this license, the licensee hereof is hereby authorized to use and operate the radio transmitting facilities hereinafter described for radio communications in accordance with the program of experimentation described by the licensee in its application for license.

Operation: In accordance with Sec. 5.3(d) of the Commission's Rules

Station Locations

- (1) MOBILE: Ship based component, within 33 km, centered around NL 37-30-00; WL 76-00-00
- (2) MOBILE: Airborne component from surface to 18,000 ft MSL, within 33 km, centered around NL 37-30-00; WL 76-00-00

Frequency Information

MOBILE: Ship based component, within 33 km, centered around NL 37-30-00; WL 76-00-00

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
4.4-4.95 GHz	MO	13M2G1D	34 W (ERP)	0.0005 %

MOBILE: Airborne component from surface to 18,000 ft MSL, within 33 km, centered around NL 37-30-00; WL 76-00-00

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
4.4-4.95 GHz	MO	13M2G1D	10 W (ERP)	0.0005 %

This authorization effective November 07, 2014 and
will expire 3:00 A.M. EST November 01, 2016

**FEDERAL
COMMUNICATIONS
COMMISSION**



Special Conditions:

- (1) Licensee is aware that operations are on a non-interference basis to NASA operation in the area and is subject to immediate shutoff if harmful interference is caused until any concerns are resolved.
- (2) Testing on 5 GHz frequencies is denied due to FAA objections of the use of the frequencies for UAS operations.